

FIG. 1a

CELLS  
WITHIN  
CLINICAL  
SAMPLE



SOLUBLIZING AGENTS  
& DENATURATION  
OF NUCLEIC ACID

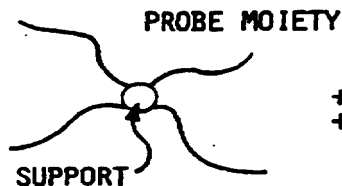
STEP 1

SAMPLE NUCLEIC ACID & CELLULAR DEBRI & IMPURITIES

STEP 2

RETRIEVABLE SUPPORT  
WITH PROBE MOIETY

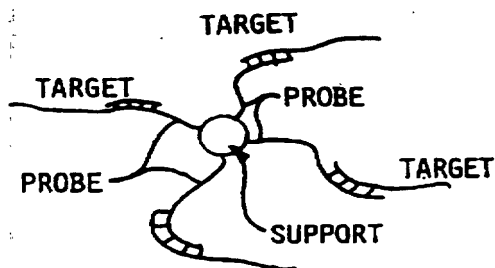
SAMPLE  
NUCLEIC ACID +



+ CELLULAR DEBRIS  
+ IMPURITIES

STEP 3

BINDING CONDITIONS

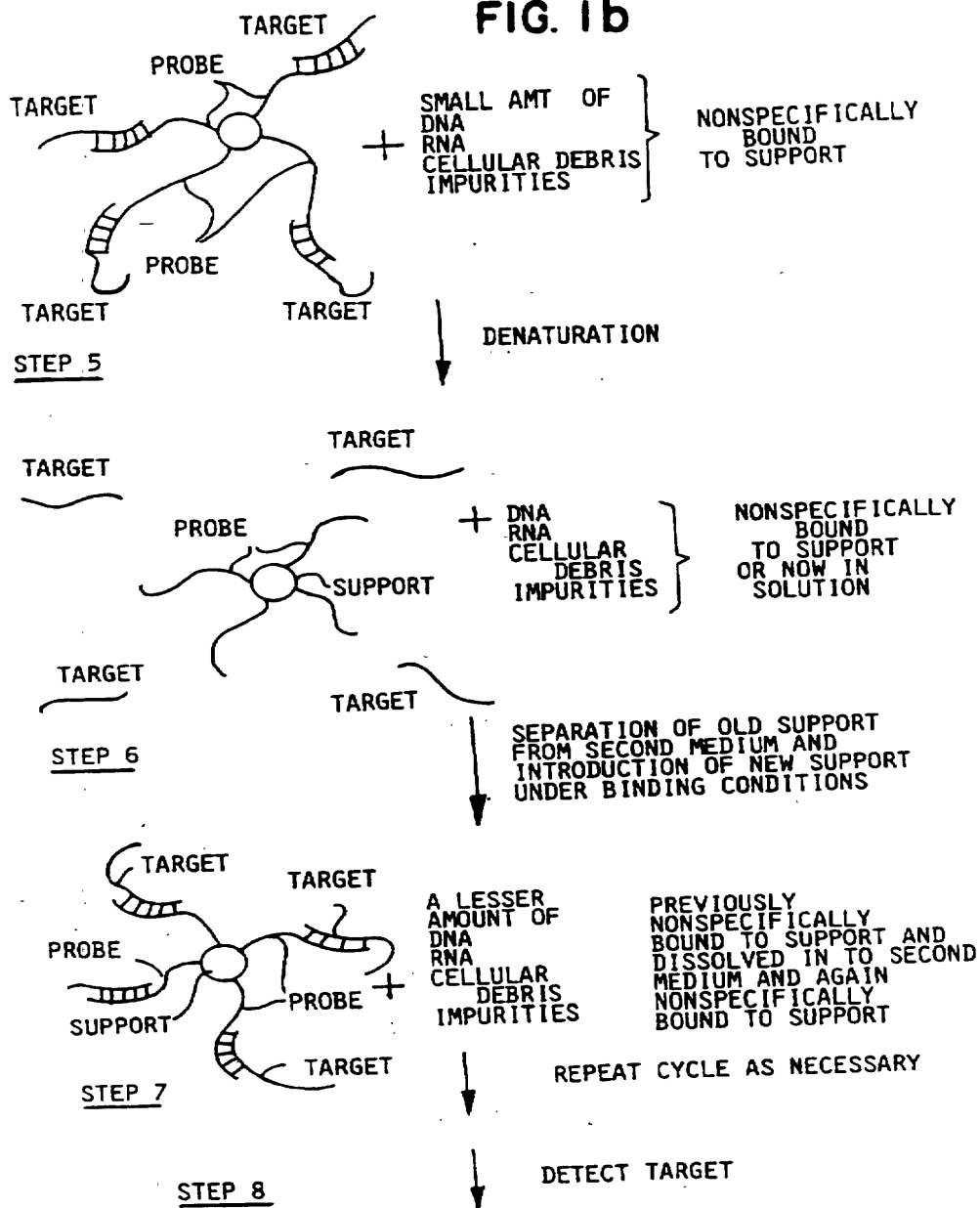


+ LARGE AMOUNT OF  
DNA  
RNA  
CELLULAR DEBRIS  
IMPURITIES

STEP 4

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FIG. 1b



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SAMPLE  
SOLUBILIZING AGENTS  
AND REAGENT

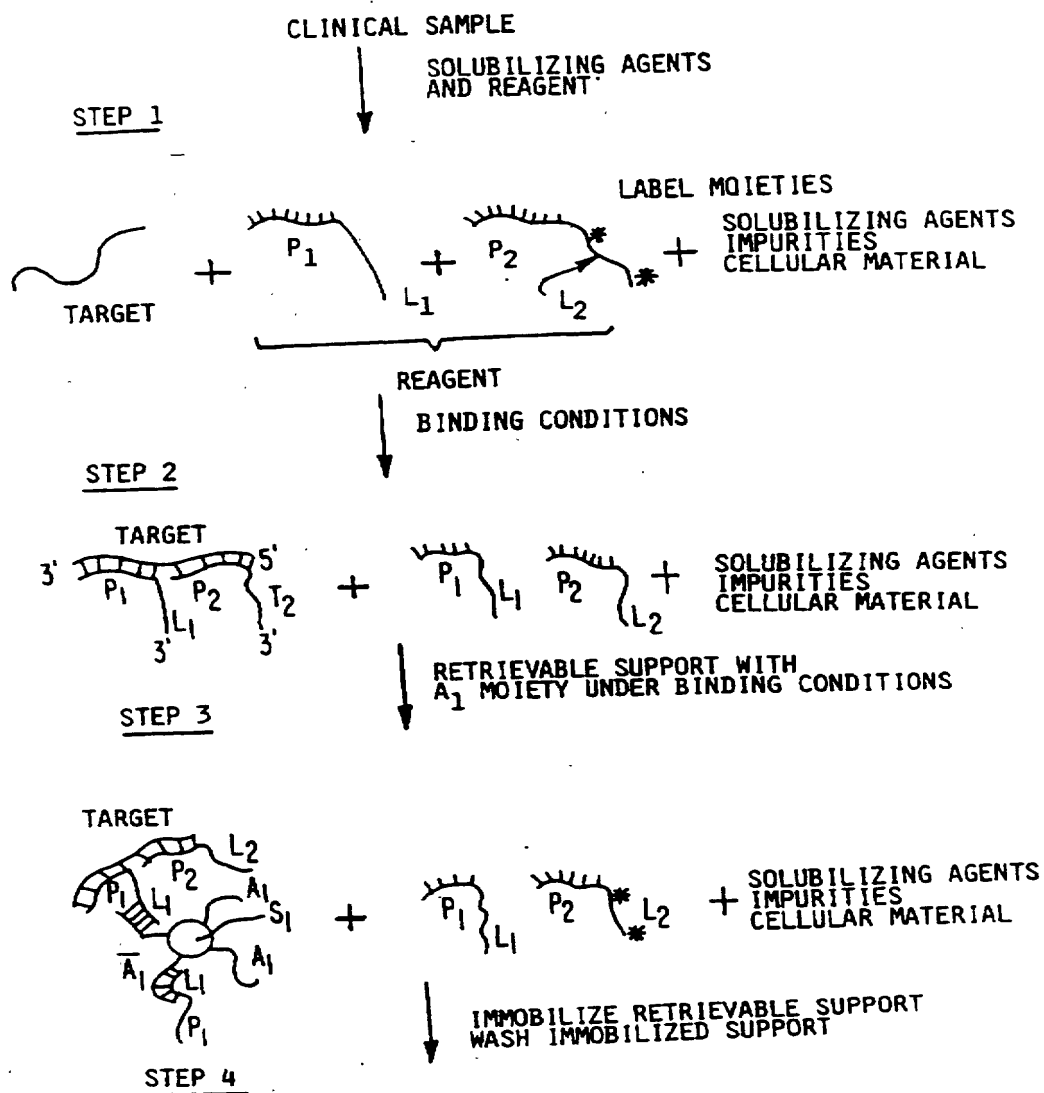


FIG. 2b

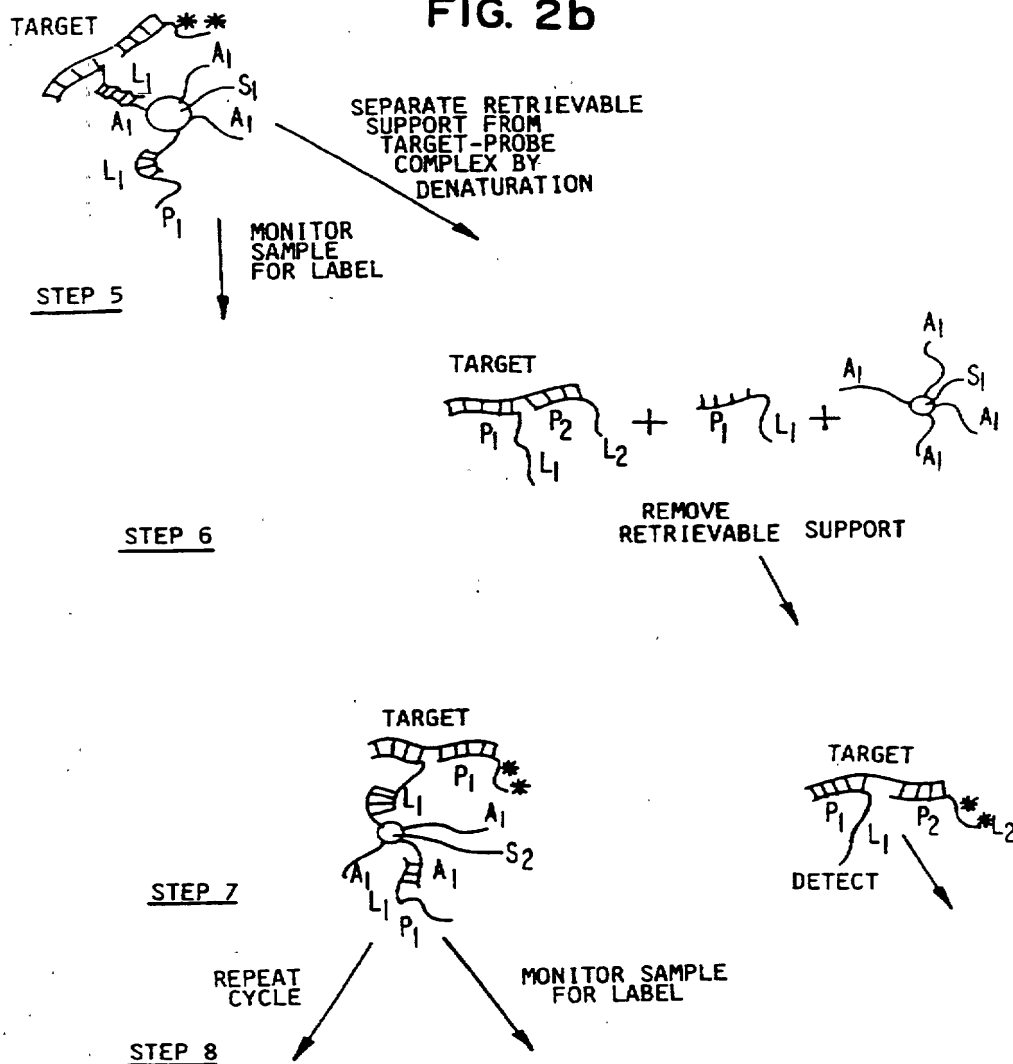
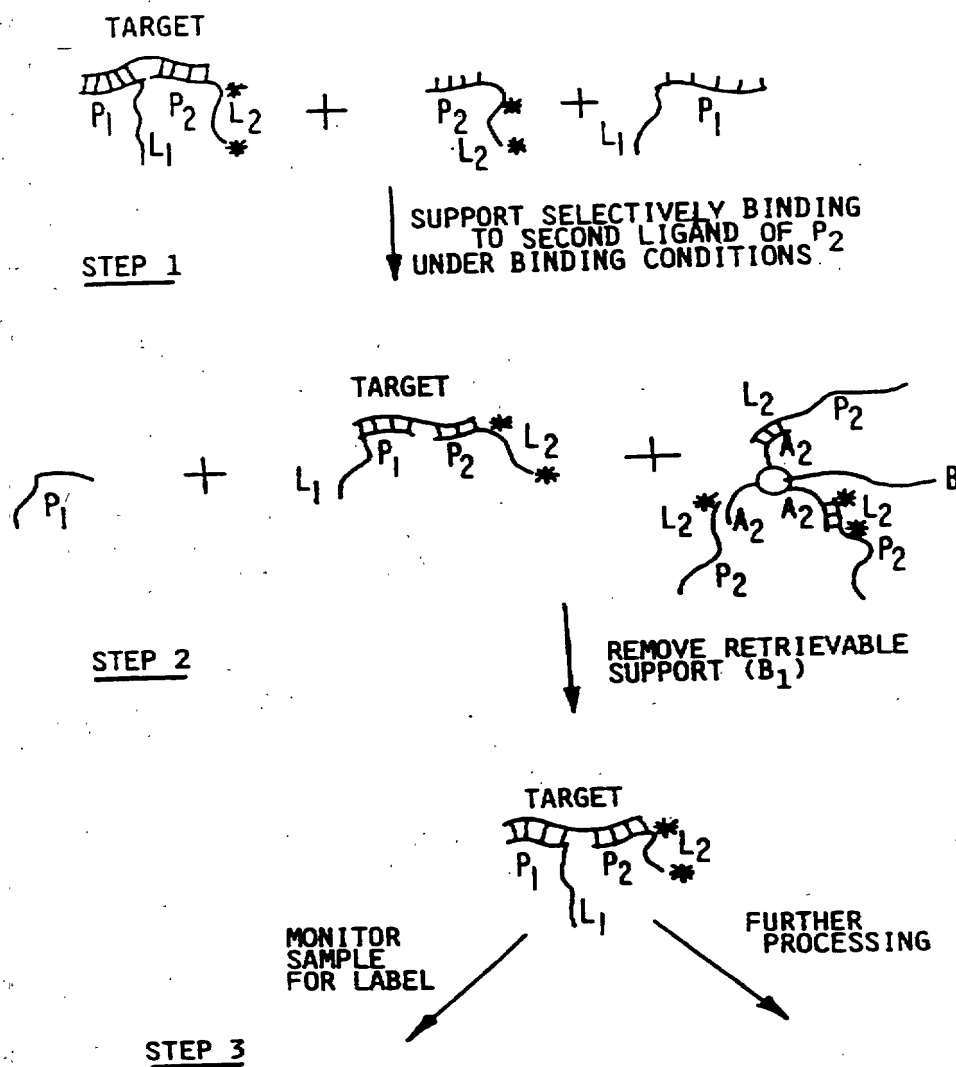
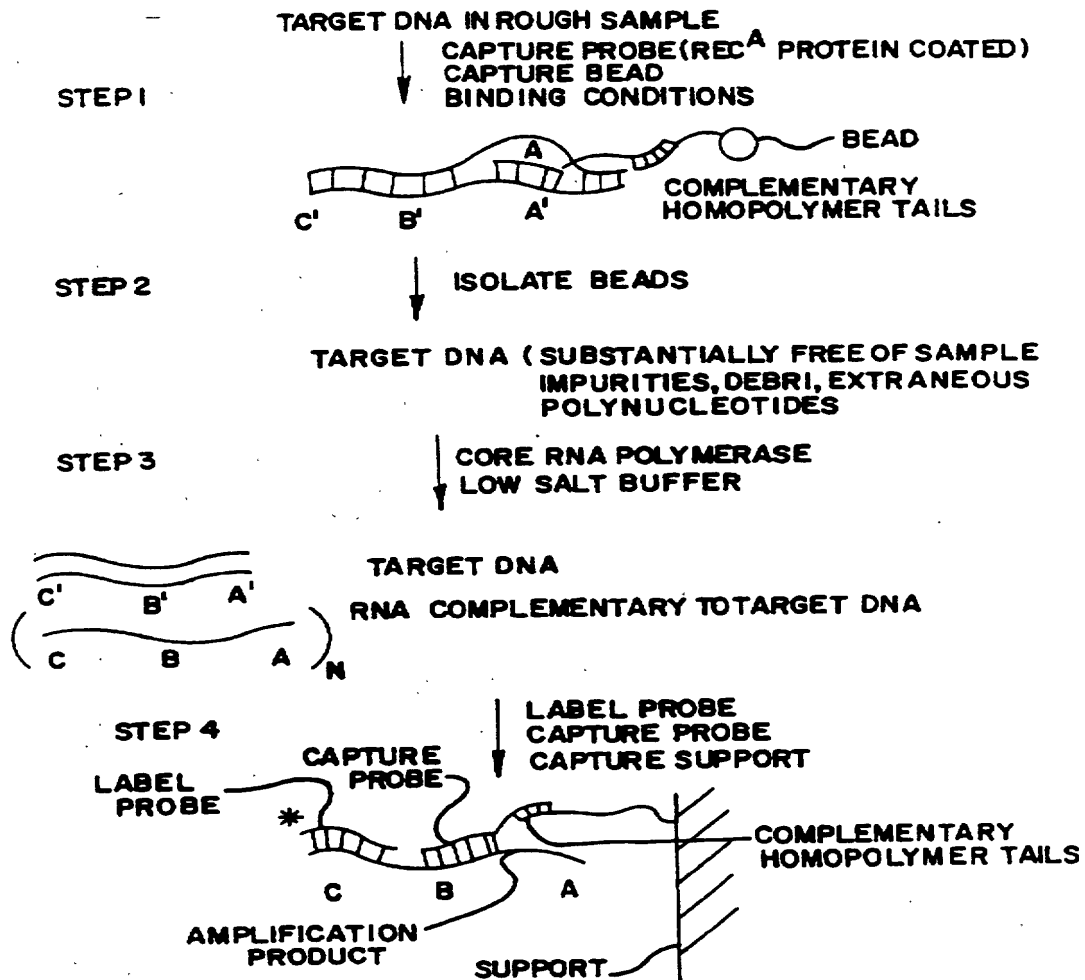


FIG. 3



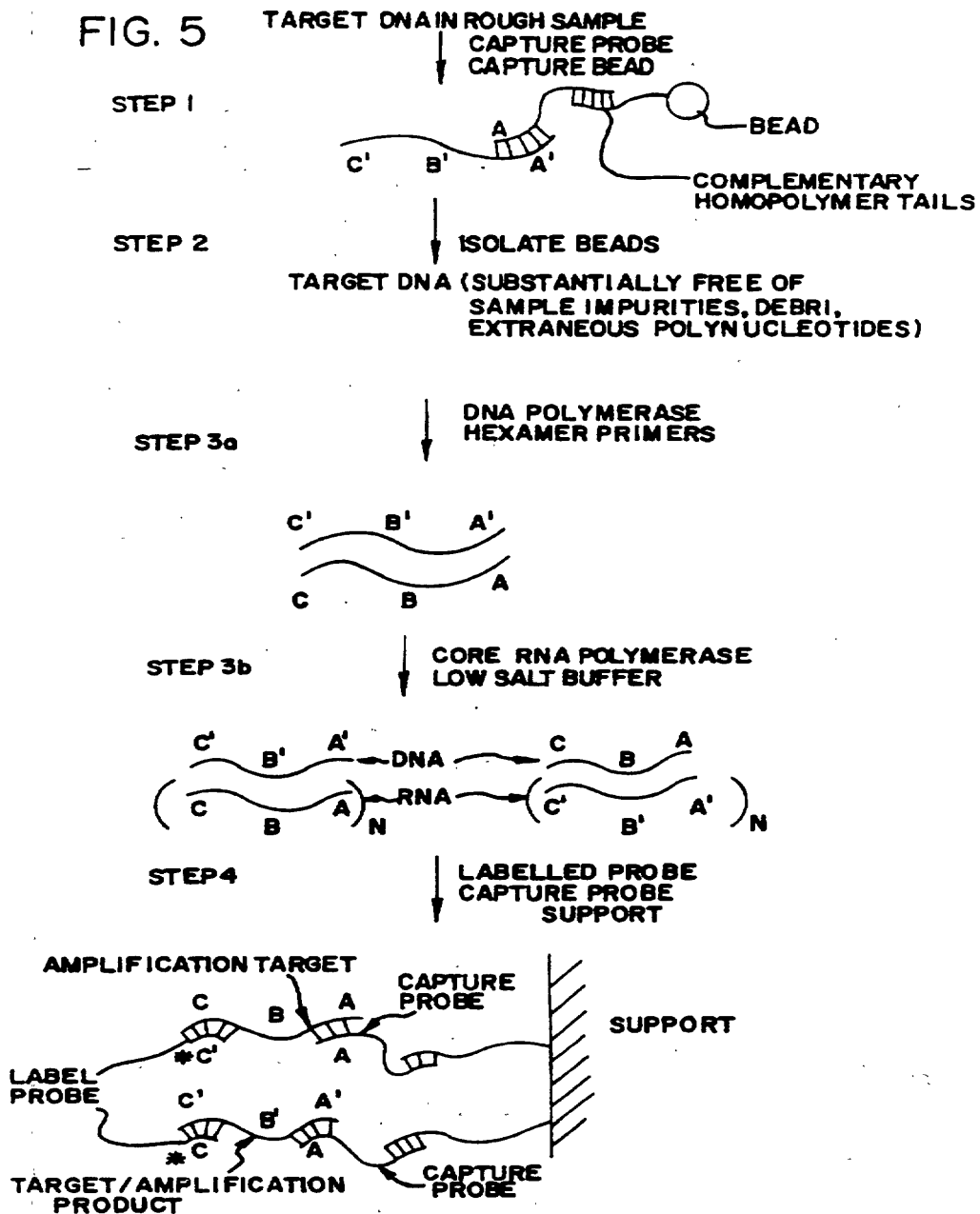
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14533076 031810  
008050 9065560

FIG. 4



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FIG. 5



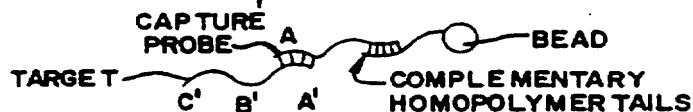
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FIG. 6

STEP 1

TARGET DNA IN ROUGH SAMPLE

CAPTURE PROBE  
CAPTURE BEAD



STEP 2

ISOLATE BEAD

TARGET DNA (SUBSTANTIALLY FREE OF SAMPLE  
IMPURITIES, DEBRI, AND EXTRANEOUS  
POLYNUCLEOTIDES)

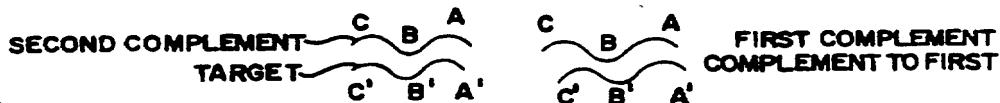
STEP 3a

DNA POLYMERASE  
HEXAMER PRIMERS



STEP 3b

1. DENATURE  
2. DNA POLYMERASE



STEP 4

DENATURE  
LABEL PROBE  
CAPTURE SUPPORT  
CAPTURE PROBE

TARGET/AMPLIFICATION PRODUCT

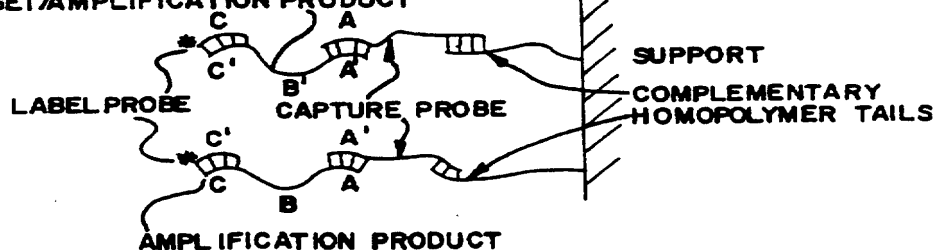
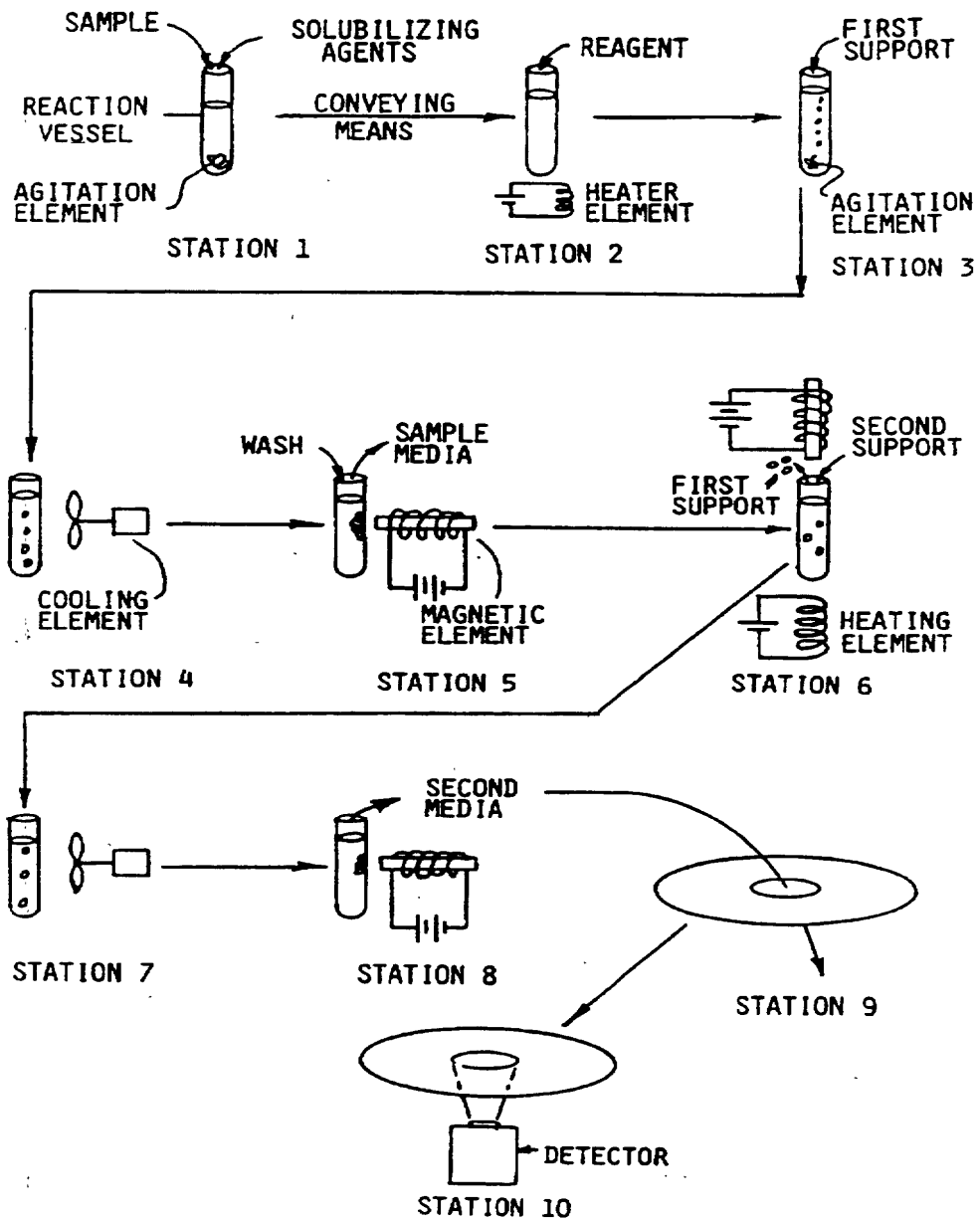


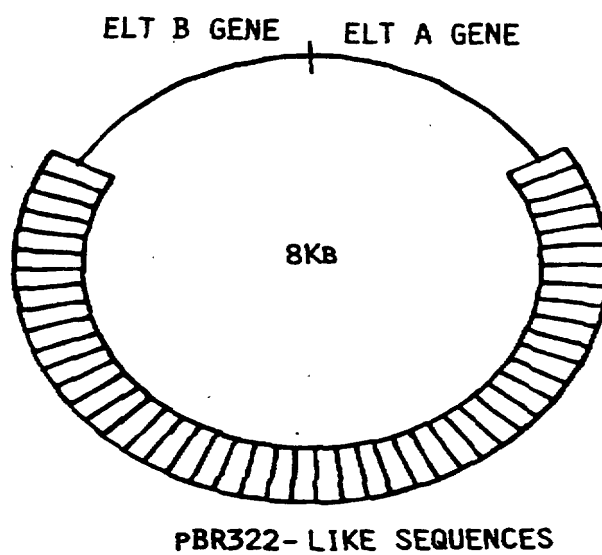


FIG. 7



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**FIG. 8**

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FIG. 1a

CELLS  
WITHIN  
CLINICAL  
SAMPLE



TARGET DNA

SOLUBLIZING AGENTS  
& DENATURATION  
OF NUCLEIC ACID

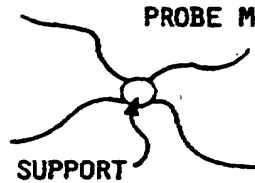
STEP 1

SAMPLE NUCLEIC ACID & CELLULAR DEBRIS & IMPURITIES

STEP 2

RETRIEVABLE SUPPORT  
WITH PROBE MOIETY

SAMPLE  
NUCLEIC ACID +

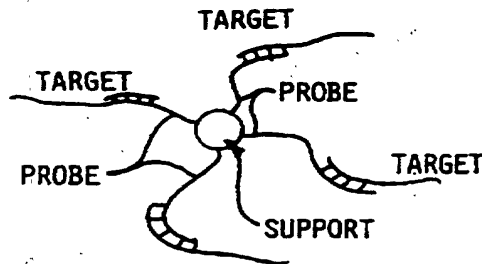


PROBE MOIETY

+ CELLULAR DEBRIS  
+ IMPURITIES

STEP 3

BINDING CONDITIONS



TARGET

PROBE

TARGET

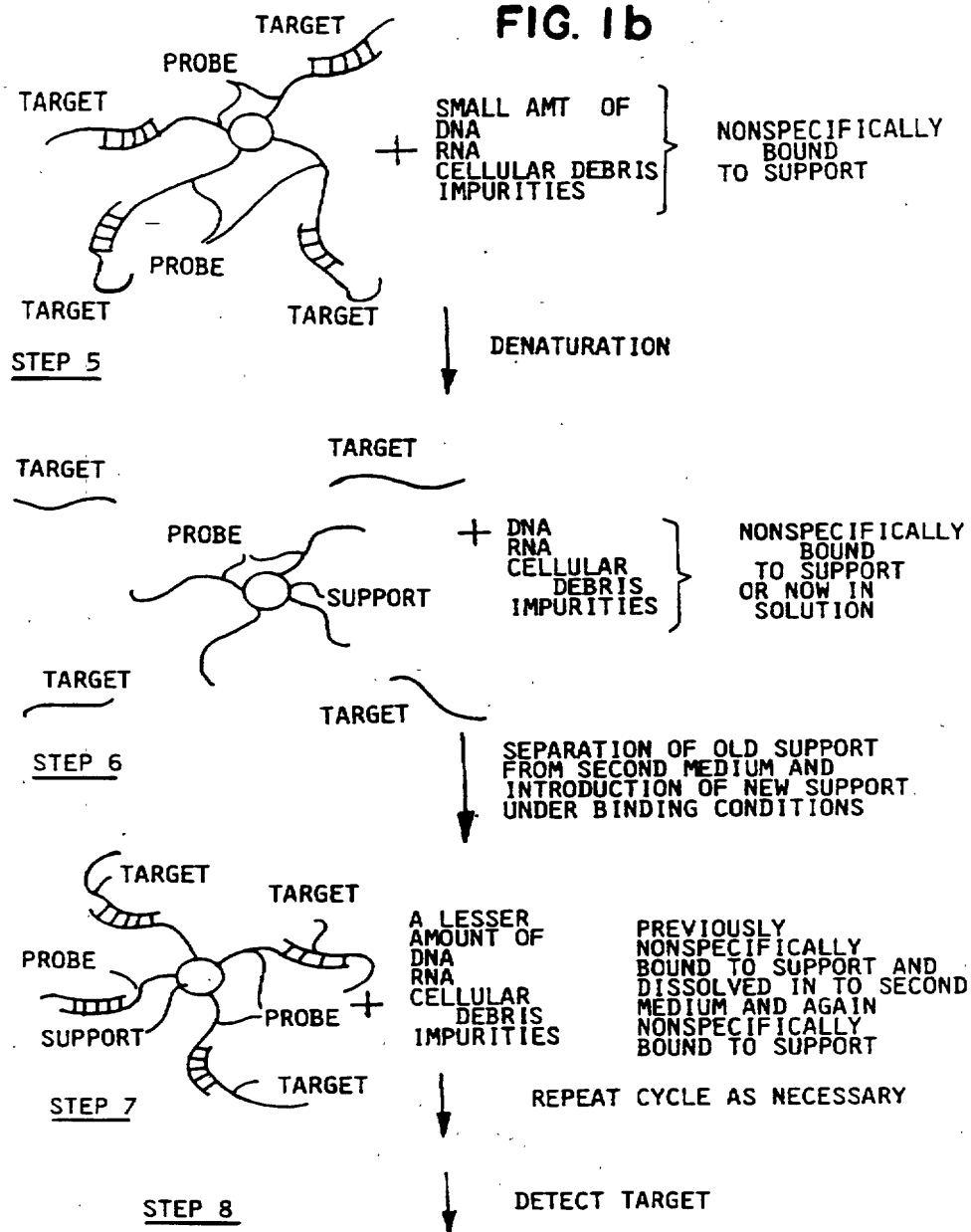
SUPPORT

TARGET  
PROBE

+ LARGE AMOUNT OF  
DNA  
RNA  
CELLULAR DEBRIS  
IMPURITIES

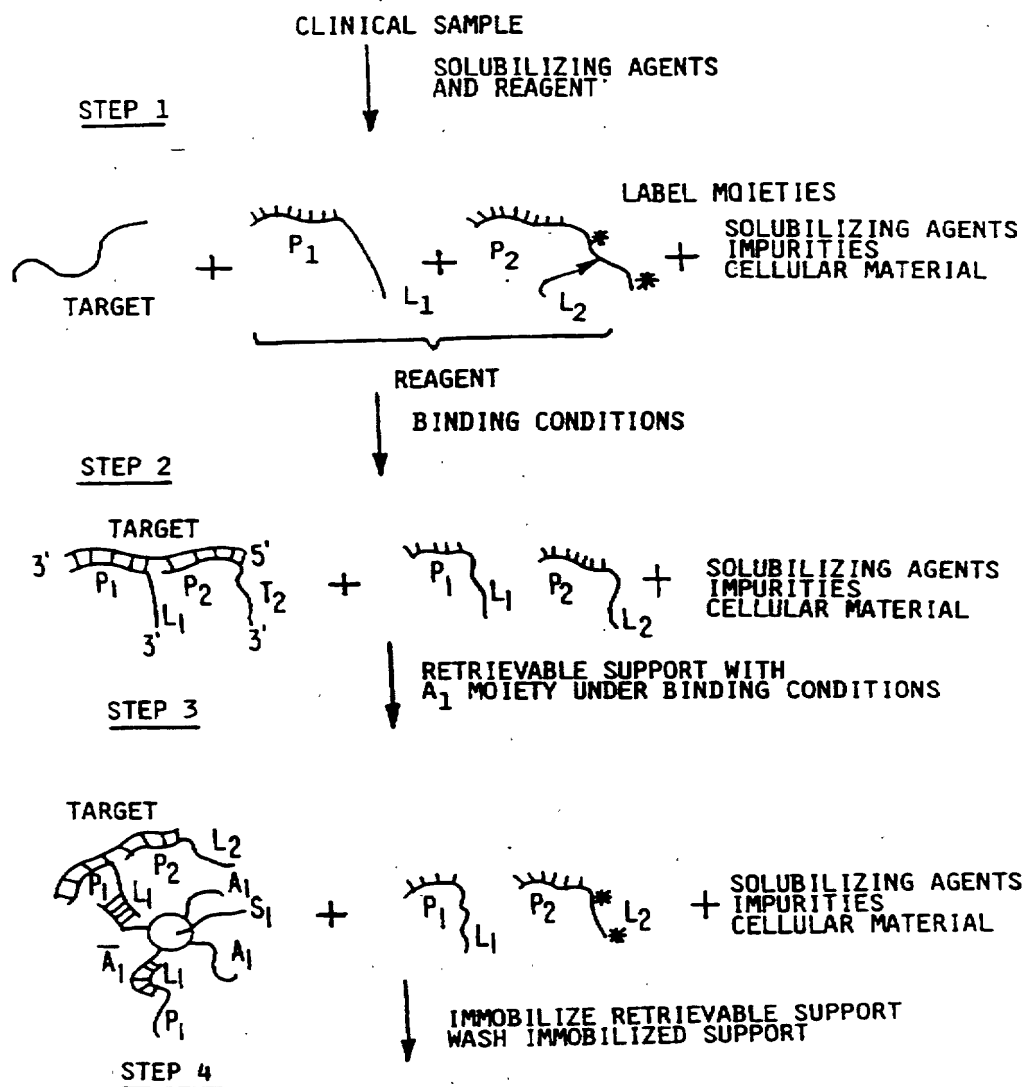
STEP 4

FIG. 1b



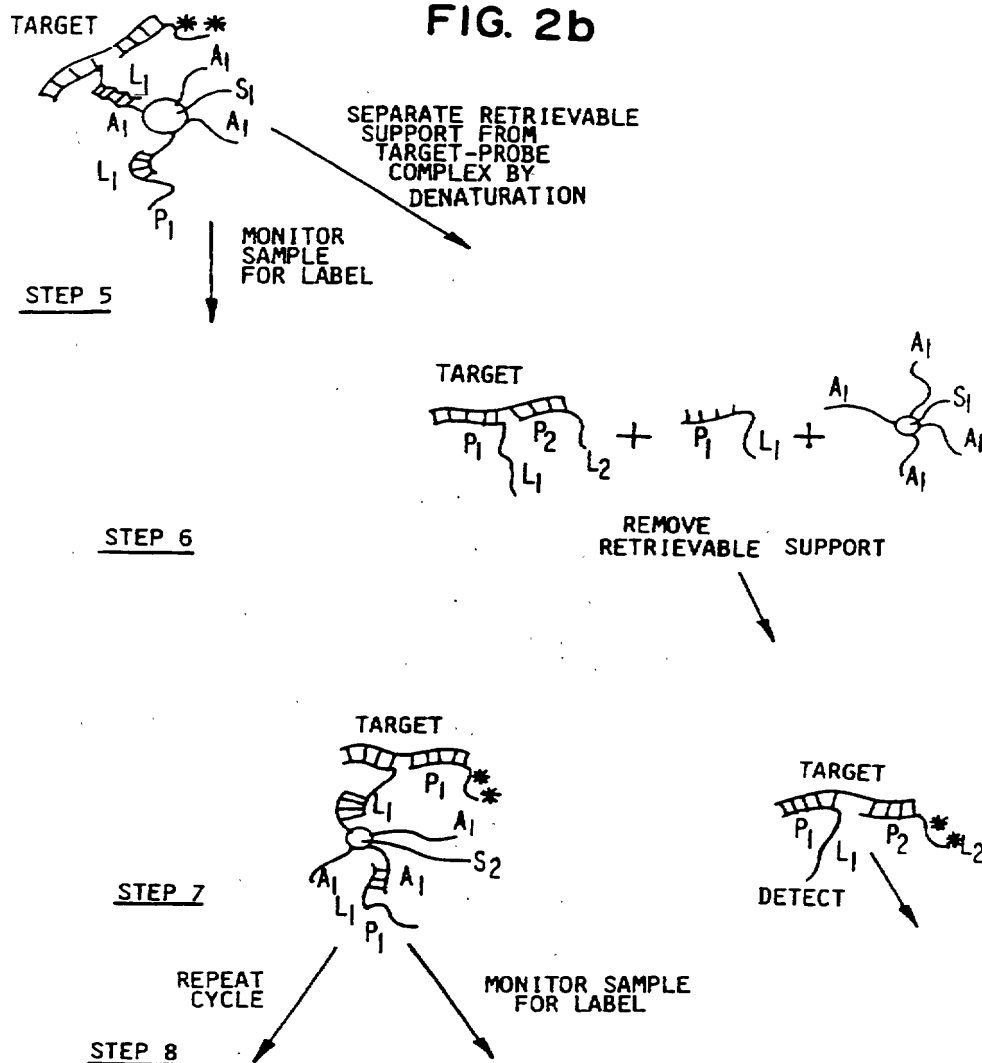
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005050 0055560

FIG. 2a



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FIG. 2b



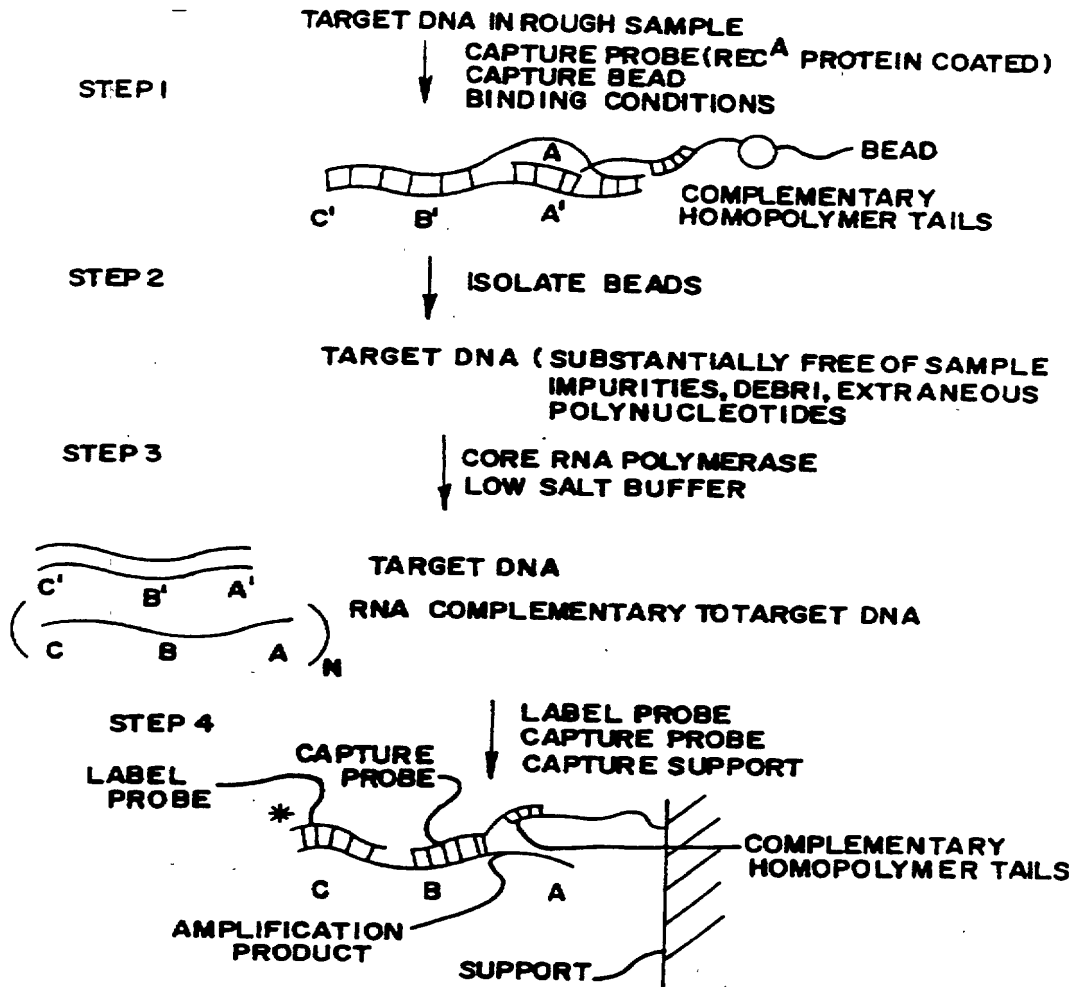
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SUPPORT SELECTIVELY BINDING  
TO SECOND LIGAND OF P<sub>2</sub>  
UNDER BINDING CONDITIONS

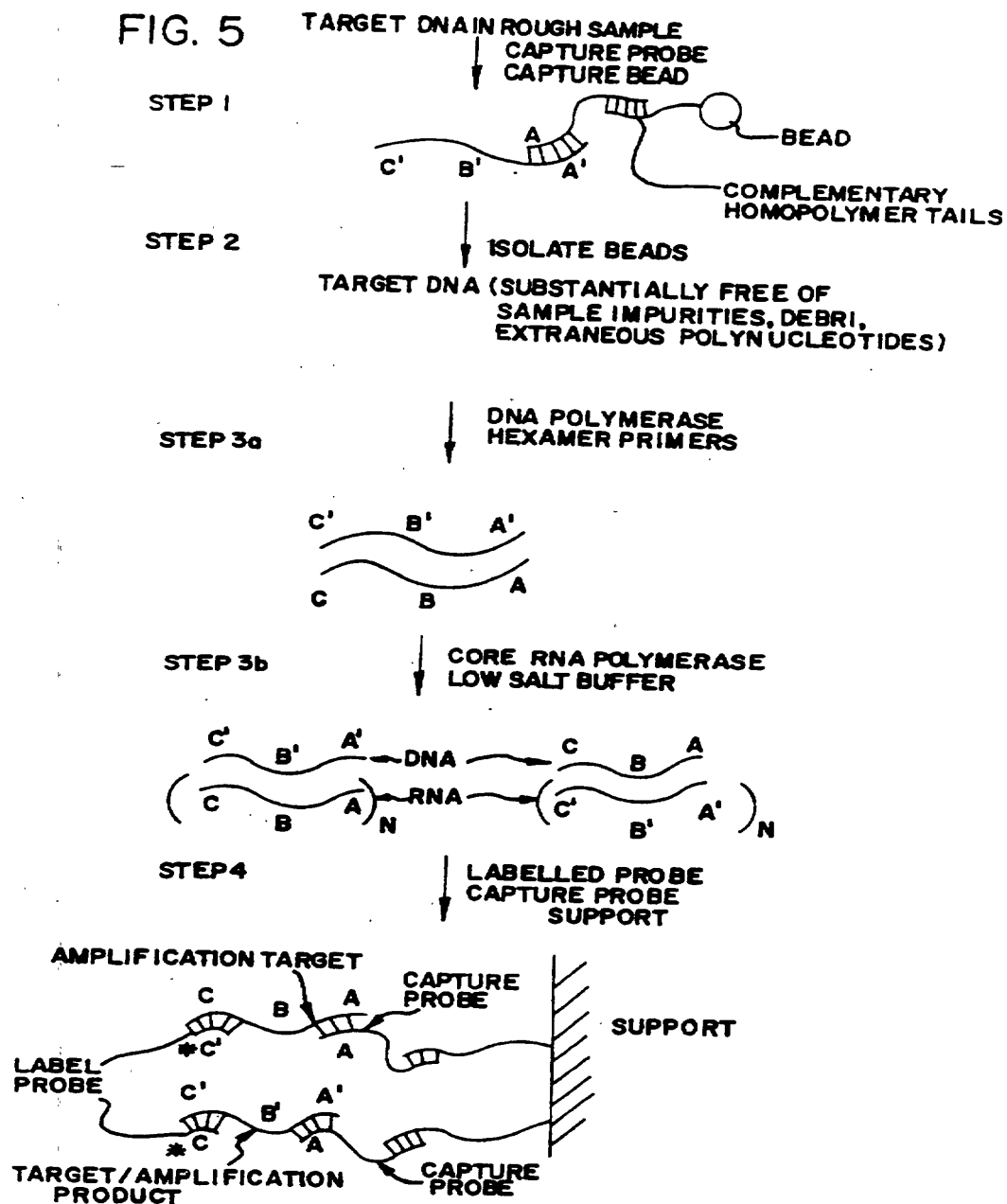


FIG. 4



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FIG. 5

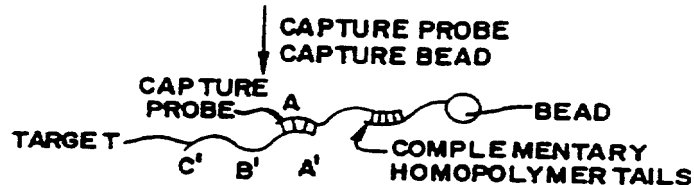


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FIG. 6

STEP 1

TARGET DNA IN ROUGH SAMPLE



STEP 2

ISOLATE BEAD

TARGET DNA (SUBSTANTIALLY FREE OF SAMPLE IMPURITIES, DEBRI, AND EXTRANEOUS POLYNUCLEOTIDES)

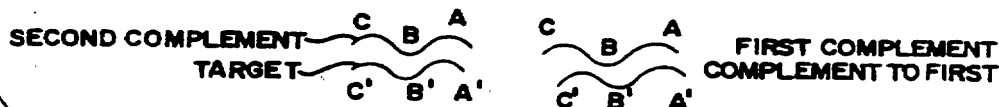
STEP 3a

DNA POLYMERASE  
HEXAMER PRIMERS



STEP 3b

1. DENATURE  
2. DNA POLYMERASE



STEP 4

DENATURE  
LABEL PROBE  
CAPTURE SUPPORT  
CAPTURE PROBE

TARGET/AMPLIFICATION PRODUCT

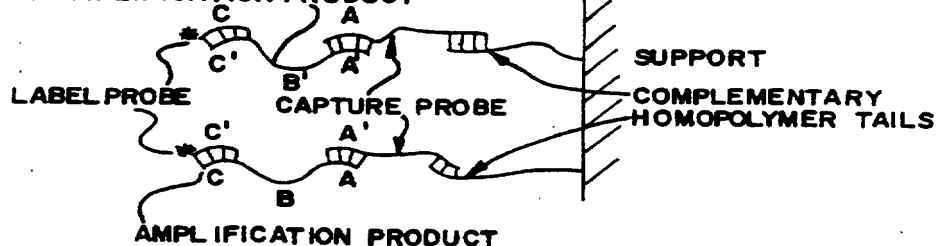
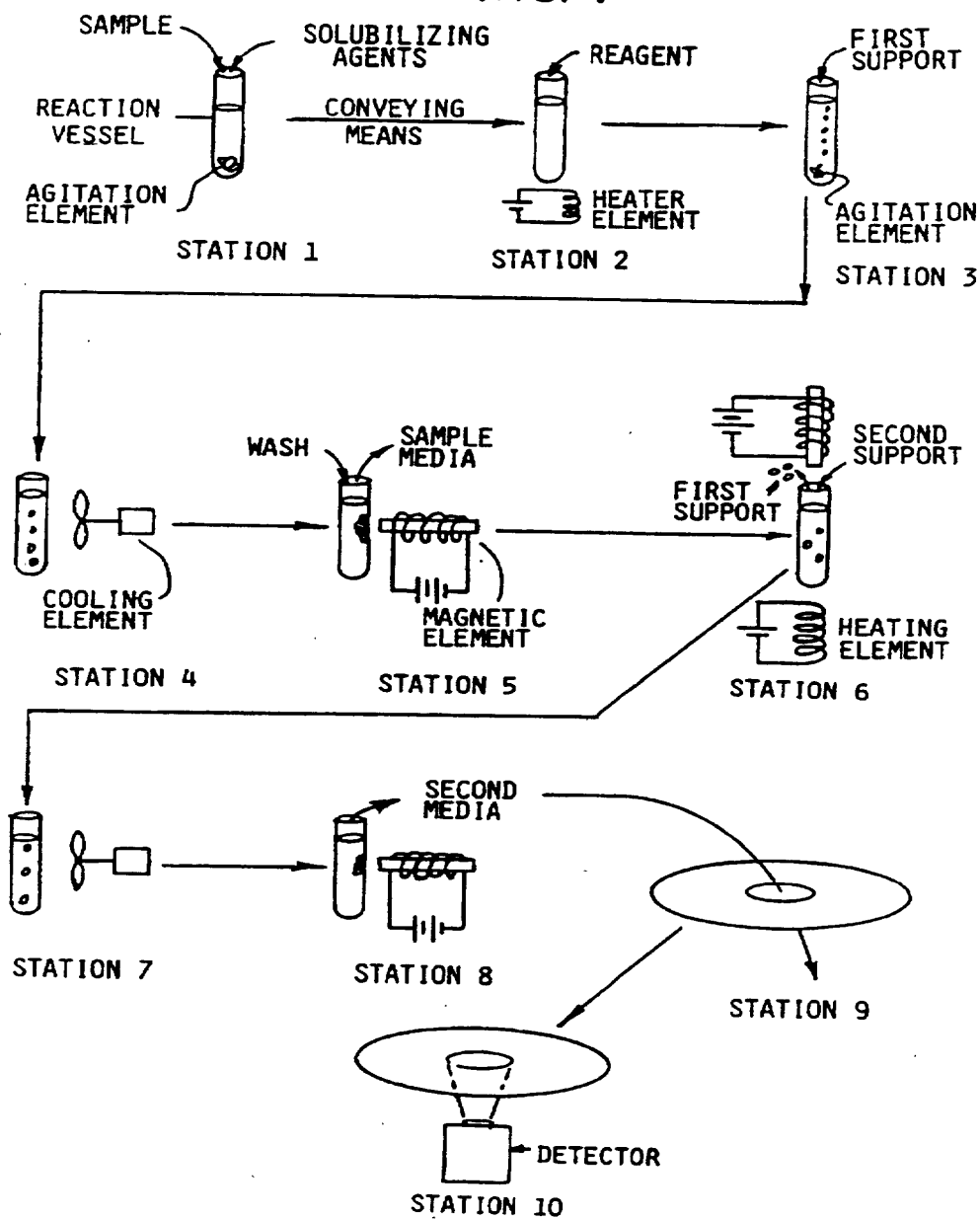
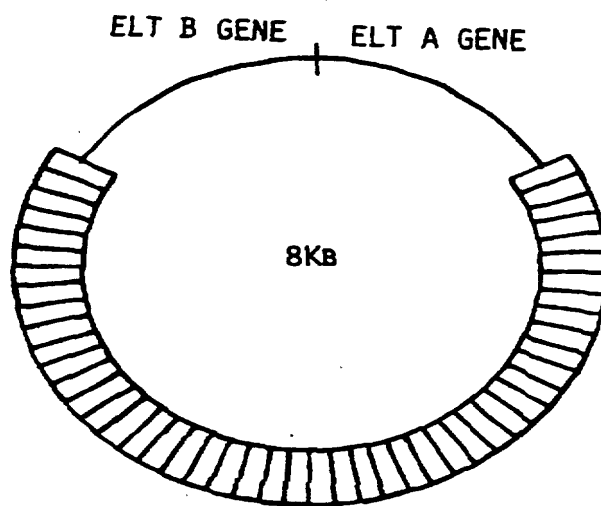


FIG. 7



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PBR322-LIKE SEQUENCES

**FIG. 8**

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TITLE AND BACKGROUND CAPTION METHODS WITH ABUSION											COLLINS L	AC

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Page 1

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1. **Background**  
 2. **Objectives**  
 3. **Methods**  
 4. **Results**  
 5. **Conclusions**  
 6. **References**  
 7. **Keywords**  
 8. **Abbreviations**  
 9. **Introduction**  
 10. **Background**  
 11. **Objectives**  
 12. **Methods**  
 13. **Results**  
 14. **Conclusions**  
 15. **References**  
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WYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

Country	Order #	Type	Atty	Status	Appl #	Filing Date	Publ #	Issue Date	Expiry Date	TITLE	Inventor	Assignee
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Country	Doct #	Type	Appr	Status	Appl #	Filing Date	Patent #	Issue Date	Exam Date	INTL	Int. Invention	Assignee

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